Laboratory Job No:___

CONTRACT LABORATORY DATA-REVIEW WORKSHEET

1.0 GENERAL INFORMATION

Data reviewer: _____ Review date:

Office, Project, & Account #:

2.0 DATA DELIVERABLES

Date of Lab analytical report: _Number of copies: bound _unbound

No. of CD copies of raw-data report: Remarks:

Raw-data report reviewed? Yes ___No _Electronic data files on CD? Yes _No

EDD file format: QWDATA TAL QUA08____ERPIMS_____Other

Date rec'd data deliverables: _Date sent deliverables to USGS office

3.0 INVOICE STATUS FOR LOT: _____

4.0 SAMPLE INFORMATION *(Page #'s listed in this worksheet refer to lab analytical report)*

Sample collection date(s): _____Sample matrix:

No. of sample types in lot: Environmental Trip blank _ Equip. blank

MS/MSD _ Other:

Date samples received at laboratory:

4.1 Were accelerated turn-around times (TATs) requested for analyses? Yes ____No

If yes, list TAT period and if completed:

4.2 Were analyses on chain-of-custody (COC) form performed by lab? YES ____NO

If **no**, list missing or cancelled analyses and reason for non-performance:

4.3 Were the samples properly preserved, labeled, no lab log-in problems, and(or) at appropriate temperature (<6 deg. C) upon receipt by the laboratory: Yes _____No

If **no**, list sample/lab IDs, and associated problems or reference lab report case narrative:

4.4 Were preparation (extraction) and(or) analysis holding times met? Yes ___No _

If **no**, list analytical methods and sample/lab IDs for samples that exceeded holding-time limits:

4.5 Did surrogate recoveries meet QC acceptance criteria? Yes ____No _NA
If **no**, list methods, surrogates, associated sample/lab IDs, lab report page #s:_

4.6 Were dilution factors greater than 1 for ***organic*** analyses? Yes____No ___NA
If **yes**, list analytical methods and reason for raised dilution factors: dilution
high-analyte levels matrix interferences other

4.7 Were dilution factors greater than 1 for **inorganic** analyses? Yes ____No____NA
If **yes**, list analytical methods and reason for raised dilution factors:
high-analyte levels matrix interferences other

4.8 Additional comments about sample analyses:

5.0 QUALITY CONTROL (QC) ANALYSES and RESULTS

5.1 Were any target analytes detected in the **Laboratory Method Blanks**? Yes ____No
If **yes**, list method, analytes, prep batch #, report page #s:

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5.2 Did lab control samples (LCS/LSCD) meet percent recoveries (%R) criteria? Yes___No

If **no**, list method, analytes, LCS/LCSD, prep batch #, report page #s:

5.3 Did the **MS/MSD** results meet %R or RPD acceptance criteria? Yes____No NA

Note: matrix spike and matrix spike duplicate (MS/MSD) data are used to evaluate the effect of sample matrix on the analytical process and should be only used in conjunction with other available lab QC data. In some cases, MS samples not directly associated with this lot may be used by the laboratory.

If **no**, list method, analytes; MS, MSD or RPD; and lab report page #:

_____

_____

_____

_____

_____

5.4 Did the **lab-sample duplicate** results meet RPD acceptance criteria? Yes___No___NA

If **no**, list method, analytes, prep batch #, report page #s,

5.5 Additional comments about QC results:

6.0 ANALYTICAL METHODS USED in this LABORATORY LOT NUMBER

VOCs by GC/MS--method 8260B/ 524.2 *[water (W) or solids (S) analysis holding-time (HT) of 14 days]*

Gasoline Range Organics (GRO)+BTEX-method 8015B(GRO)/ 8021 *[W and S: analysis HT 14 days]*

Diesel Range Organics-method 8015B-DRO *[W: prep HT 7 days; S: prep HT 14 days; analysis HT 40 days]*

Pesticides by GC--method 8081A *[W: prep HT 7 days; S: prep HT 14 days; analysis HT 40 days]*

PCBs by GC--method 8082 *[W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]*

Pesticides by GC--method 8141A *[W: prep HT 7 days; S: prep HT 14 days; analysis HT 40 days]*

Herbicides by GC--method 8151A *[W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]*

SVOCs by GC/MS--method 8270C *[W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]*

Dioxins and Furans--methods 8280/ 8290/ 1613 *[W and S: prep HT 30 days; analysis HT 45 days]*

PAHs by HPLC method 8310 *[W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]*

Explosives by HPLC method 8330 or 8321A *[W: prep HT 7 days; S: prep HT14 days; analysis HT 40 days]*

Hexane extractable materials (HEM and SGT-HEM)-method 1664/ 9071B *[W/S: analysis HT 28 days]*

Total organic carbon (TOC) or DOC--methods 415.1 or 9060 or 5310B *[W: analysis HT 28 days]*

Perchlorate--methods 314.0 or 6850 LC/MS/MS or 6860 IC/MS/MS *[W: analysis HT 28 days]*

Metals by ICP--method 6010B or 200.7 *[W and S: analysis HT 180 days]*

Metals by ICP/MS--method 6020 or 200.8 *[W and S: analysis HT 180 days]*

Mercury by CVAA--method 7470A (W) and 7471A (S) *[W and S: analysis HT 28 days]*

Inorganic anions-method 300/ 9056 *[W: analysis HT **48 hours-*** NO_2, NO_3, ortho-P*; HT 28 days*--Br,Cl ,F, SO_4*]*

Total dissolved solids (TDS)--method 2540C and(or) TSS--method 2540D *[W: analysis HT 7 days]*

Alkalinity--method 310.1 (Total, OH, HCO_3, and CO_3) *[W: analysis HT 14 days]*

Nitrogen, ammonia--method 350.1 *[W: analysis HT 28 days]*

Nitrogen, TKN--method 351.2 *[W: analysis HT 28 days]*

Nitrogen, nitrate + nitrite--method 353.2 *[W: analysis HT 28 days]* NO_3 or NO_2 only *[HT **48 hours**]*

Nitrogen, nitrite--method 353.2 or 354.1 *[W: analysis HT **48 hours**]*

Phosphorus-method 365.3 and ortho P by 365.3 *[Phosphorus.: W: analysis HT 28 days, ortho P **48 hours**]*

Phosphorus-method 365.1 and ortho P by 365.1 *[Phosphorus: W: analysis HT 28 days, ortho P **48 hours**]*

Cyanide, total, dissolved, or amenable--methods 9012A/ 335.4 *[W and S: analysis HT 14*

days]

_MBAS surfactants – method 425.1 ***(HT 48 hours)***

Moisture content--methods D2216 or 160.3M

BOD--method 405.1 *(HT 48 hours)* or COD--method 410.4

Turbidity--method 180.1 ***(HT 48 hours)*** ; Hardness 2340B

Physical properties: pH--method 4500 H B; specific conductance—method 2510B

_Other analyses: